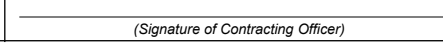


<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. P00001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY ASPR-BARDA 200 Independence Ave., S.W. Room 640-G Washington DC 20201		CODE ASPR-BARDA		7. ADMINISTERED BY (If other than Item 6) ASPR-BARDA 200 Independence Ave., S.W. Room 638-G Washington DC 20201		CODE ASPR-BARDA	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  SONICA LLC 1544252 Attn: SHUAI XU SONICA LLC 1900 GREENWOOD STRE 1900 GREENWOOD STREET, UNIT 8 EVANSTON IL 602013909  CODE 1544252 FACILITY CODE				(x)			
				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				10A. MODIFICATION OF CONTRACT/ORDER NO. 75A50119C00043			
				10B. DATED (SEE ITEM 13) 07/29/2019			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) 2019.1992019.25106							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.243-1 Alt. V Changes - Fixed Price (Apr 1984)						
	D. OTHER (Specify type of modification and authority)						
<b>E. IMPORTANT:</b> Contractor <input type="checkbox"/> is not <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Tax ID Number: 82-4003472 DUNS Number: 081039857 ASPR-19-03480 - Base Period funding for Sonica A. In accordance with FAR 52.243-1 Alt. V Changes - Fixed Price (Apr 1984), the purpose of this modification is to make the following changes to the contract: 1. Revise Attachment 3 - Schedule of Payments to reflect final milestones updates. B. This is a bilateral modification. The total dollar amount of all CLINs that are currently being performed under the contract remain unchanged. All other terms and conditions of the contract remain in full force and effect. Delivery: 08/01/2019 Continued ... Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)  Shuai Xu CEO				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)  TROY G. FRANCIS			
15B. CONTRACTOR/OFFEROR   (Signature of person authorized to sign)		15C. DATE SIGNED  2/2/2020		16B. UNITED STATES OF AMERICA   (Signature of Contracting Officer)		16C. DATE SIGNED  2/3/2020	

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	75A50119C00043/P00001	2	3

NAME OF OFFEROR OR CONTRACTOR  
SONICA LLC 1544252

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
1	<p>Delivery Location Code: HHS/OS/ASPR HHS/OS/ASPR 200 C St SW WASHINGTON DC 20201 US</p> <p>Appr. Yr.: 2019 CAN: 1992019 Object Class: 25106 Period of Performance: 08/01/2019 to 03/31/2021</p> <p>Change Item 1 to read as follows (amount shown is the obligated amount):</p> <p>ASPR-19-03480 - Base Period funding for Sonica Obligated Amount: \$0.00</p>				0.00

### Attachment 3

#### Schedule of Payments

Pursuant to FAR 52.232-2, payments will be made upon submission of an acceptable invoice for partial delivery of work, as outlined below in the table. The remaining balance will be paid only upon receipt and acceptance of the (1) Final Data Submission Package & (2) Final Report as described in Section F.2 of the subject contract:

Partial Payment	SOW Deliverable	Description	Partial Payment Amount
1	Project Plan, Gantt Chart, and kick off meeting	All to be done within 30 days after award	\$50,000
2	Phase I Aim I and Aim II Deliverables	<ul style="list-style-type: none"> <li>-Successful manufacturing of 100 sets of ADAM sensors with extended 7-day operation capabilities</li> <li>-Bench report testing of power performance of ADAM sensors with &gt;95% of ADAM sensors reaching 7 days (168 hours) of run time</li> <li>-Bench report testing of memory capacity of ADAM sensors with &gt;95% of ADAM sensors reaching 7 days (168 hours) of memory time</li> <li>-Bench report testing of thermal safety of ADAM sensors with &lt;0% generating 5 °C after 24 hours of continuous operation</li> <li>-Completed user interface design with full click through functionality</li> <li>-Fully functional mobile application with cloud integration capabilities</li> <li>-Sandbox environment enabling full operation of the ADAM sensors with the new mobile application</li> </ul>	\$181,926
3	Phase II Aim III Deliverables	<ul style="list-style-type: none"> <li>-&gt;70% weekly compliance with the ADAM sensor at 6 month interim data check</li> <li>-&lt;20% data loss secondary to device failure at 6 month interim data check</li> </ul>	\$181,926
4	Phase II Aim IV Deliverables	<ul style="list-style-type: none"> <li>- Presentation meeting (may be virtual), (2) Final Report including study findings, sensitivity and compliance reporting, etc. (2) FDA Pre-sub meeting (3) Supplemental files and documents (if appropriate) and (4) algorithm accuracy analysis (false +, false- rates, confidence intervals, etc).</li> <li><del>-&gt;70% of sensitivity for respiratory infection in a high-risk COPD cohort justifying further development and validation of the ADAM system in a larger, follow-on clinical study</del></li> <li>-Pre-510(k) submission meeting with the FDA for the ADAM sensor for indication of respiratory health tracking</li> </ul>	\$242,568